

ABSTRACT OF THE DISCLOSURE

Programmable source of pulse trains on intermediate frequency and IFF emitting assembly using it

The invention relates to a pulse-modulated source with adjustable parameters and to its use in an IFF or secondary radar emitting assembly. The architecture of currently used IFF emitting assemblies is such that there is a limit to the possible reduction in the space requirement of such equipment, and this limit is soon reached. Furthermore, the precision in terms of frequency remains coarse and the number of IFF emitting modes is very small. A programmable source of pulse trains on an intermediate frequency is disclosed. The source comprises: an input receiving an emitting command comprising the emitting mode; an instruction device connected to this emitting command input, generating emitting instructions; a formatting device transcribing the emitting instructions into at least one first control signal; a digital frequency synthesizer device receiving at least the first control signal and generating a modulated signal on an intermediate frequency; the signal being modulated according to a pulse train having characteristics that are determined by the first control signal.